

> Denotes revised material in this JPM

JOB PERFORMANCE MEASURE

TASK CODE: CFO-106

TASK: >Leak Test/Inventory a Radioactive Source

NAME: _____ **>BADGE:** _____

>REFERENCES: Only references for knowledge items are listed here. The trainee is expected to identify the correct references for practical items.

1. WP 12-HP3200, Radioactive Material Control

TERMINAL OBJECTIVE:

>Given that radioactive sources are to be leak tested and/or inventoried, perform a leak test per WP 12-HP3200

CONSEQUENCES OF INADEQUATE PERFORMANCE:

Loss of source accountability
Spread of contamination

HAZARDS (PERSONNEL/EQUIPMENT STATUS):

>Unnecessary radiation exposure

PRE-REQUISITE TRAINING/ TASK COMPLETION:

1. CL 1.00 Series
- >2. CL 2.08, Source Control
3. CFO-111, Operate a Beta Laboratory Counter
4. CFO-129, Operate an Alpha Laboratory Counter
5. CFO-156, Control of Radioactive Sources
6. CFO-192, Operate Tennelec Series 5 Counter

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

- | | |
|---------------------------|------------------------------------|
| 1. Surgical Gloves | 4. Smears/swabs |
| 2. Radioactive Source Log | 5. Laboratory Counters or Tennelec |
| 3. Tweezers | |

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Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

>On performance items, if there is more than one means available to accomplish the step, circle the method used. Refer to the RCT-01 Qualification Standard for preference of use.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
>1	State the frequencies of performing leak tests and inventories of radioactive sources	
>1	State when leak testing/inventorying is not required	
1	Describe how to leak test an unsealed or plated source	
1	State the actions if a source fails a leak test.	
1	State the limits for a leaking source.	
>1	Define "accountable" source.	
>1	State what information is required on an inventory of a source.	

PERFORMANCE REQUIREMENTS:

>Method	Performance Requirement	Pass/Fail
P, S	Record the source information on the leak test/inventory data sheet. #	
P, S	>Conduct inventory of a source. #	
P	Swipe the source or container, as applicable. #	
P	Prevent cross-contamination of the swipe. #	
P	Count the swipe with the appropriate instrument. #	
P	Determine the activity of the swipe. #	

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P, S	Complete and submit the source leak test data sheet for review. #	
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indicates a critical step

FINAL EVALUATION:

PASS

FAIL

COMMENTS:

EVALUATOR SIGNATURE:

----- **DATE:**-----

TRAINEE SIGNATURE:

----- **DATE:**-----

MANAGER SIGNATURE:

----- **DATE:**-----